

# For Monday

- Read Becker, chapter 5, sections 1-3
- Recommended practice problems:
  - chapter 4, problems 17-18
  - Chapter 5, problem 1

# Program 2

- Any questions?

# Writing Predicates

- What's a predicate?
- What advantage is there in writing our own predicates?

# Try It

- Try writing the following predicates:
  - isOn6thStreet
  - isFacingNorth
  - backpackIsEmpty

# Using Parameters

- Arguments to a method
- Supply information
- Terminology:
  - Arguments or actual parameters
  - Parameters or formal parameters

# Why Parameters?

- isOn6thStreet vs. isOnStreet

# Practice

- Write a predicate that tells whether the robot is facing in a specified direction.

# Parameters and while

- Consider writing a `moveToAvenue` method.

# Practice

- Write a method called **carryAtLeast** that accepts an integer parameter **numThings** and makes the robot pick up things from the current intersection until he is carrying at least **numThings** Things.

# Consider this

```
public void step(int howFar)
{
    while (howFar > 0)
    {
        this.move();
    }
}
```

# Assignment vs. Equals

# Practice

- Write a method, `putStuff`, that has the robot put a specified number of things down.

# Overloading

- What's the concept?

# Practice

- Overload pickThing to take a parameter specifying how many things to pick up.